

FIG. 1

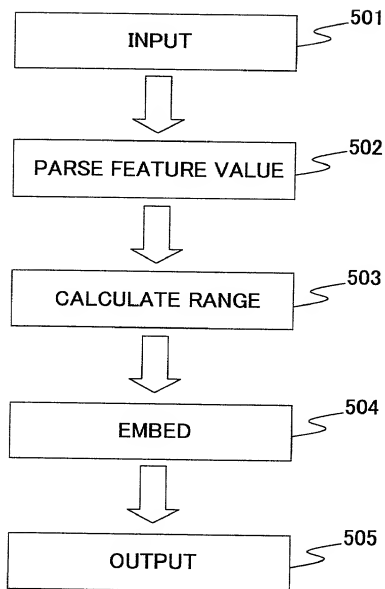


FIG.2

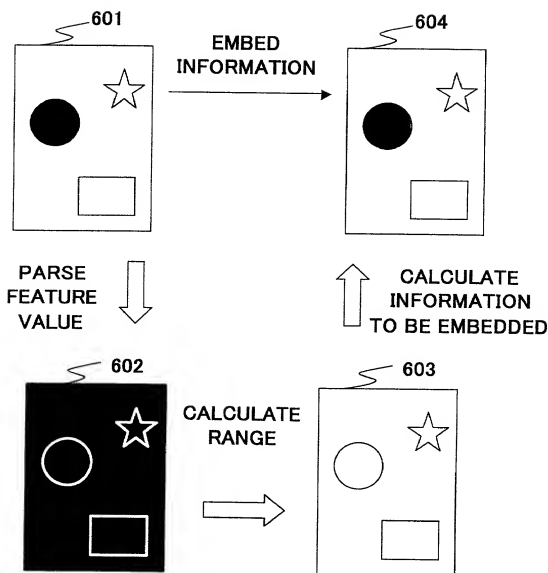


FIG.3

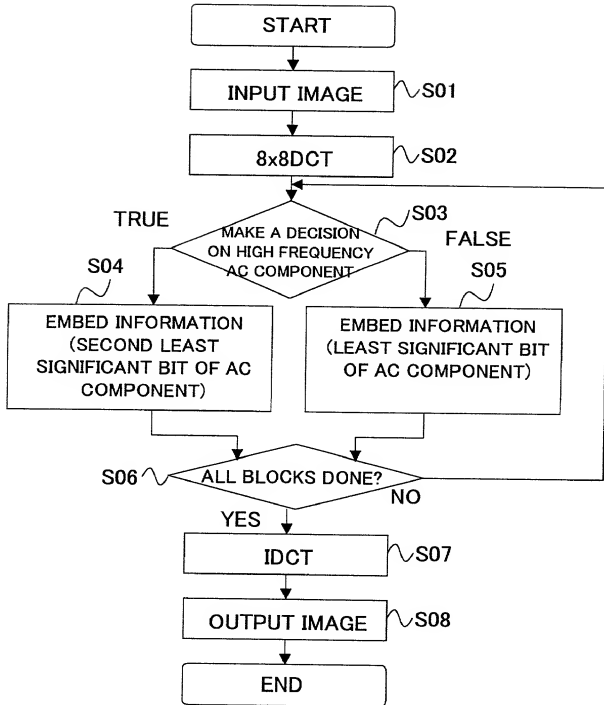
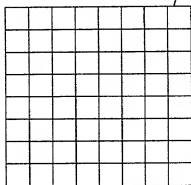


FIG.4

PIXEL VALUE AREA 801



DCT

FREQUENCY AREA 802

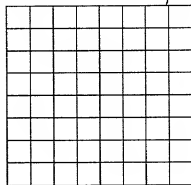


FIG.5

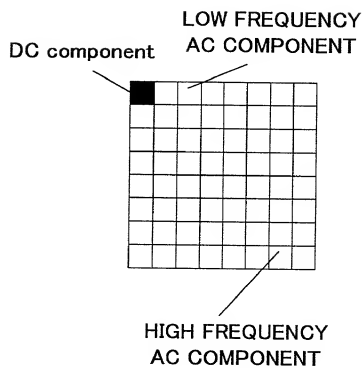


FIG.6

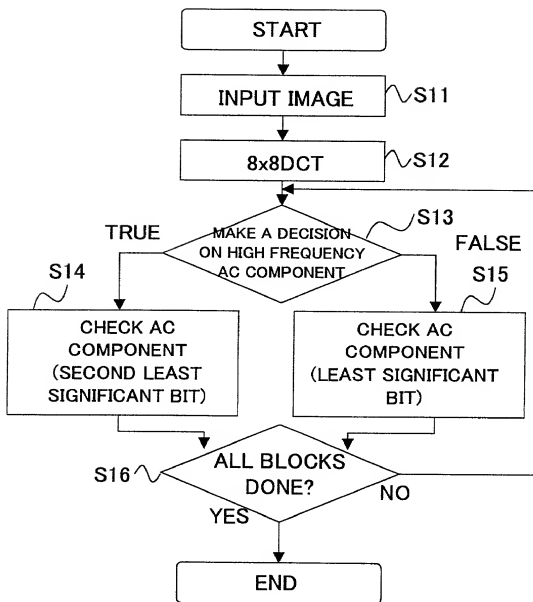


FIG. 7

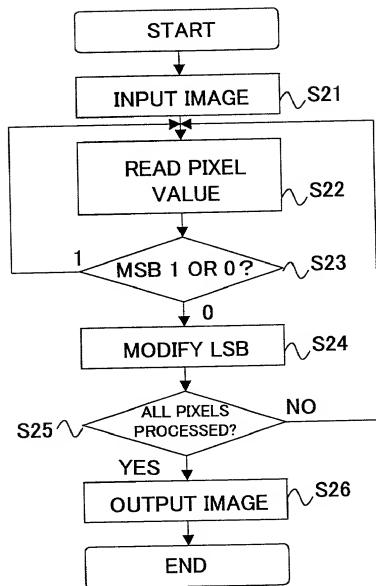


FIG.8

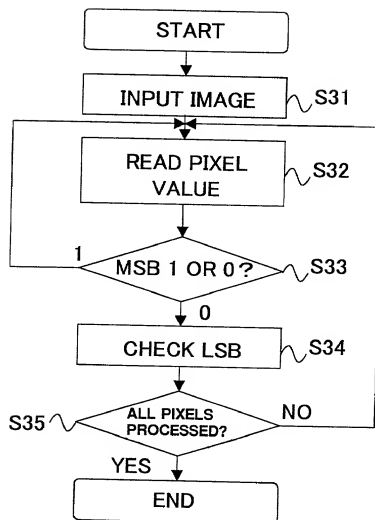


FIG.9A

PRIOR ART

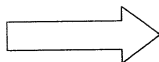
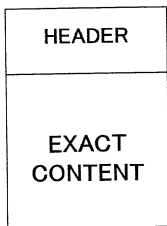
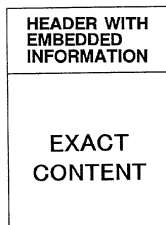


FIG.9B

PRIOR ART



EMBED COPYRIGHT INFORMATION
INTO HEADER

FIG.10A

PRIOR ART

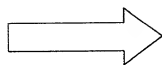
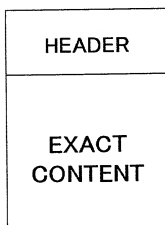
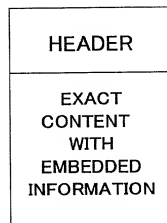


FIG.10B

PRIOR ART



**EMBED COPYRIGHT INFORMATION
INTO EXACT CONTENT**

FIG.11A PRIOR ART

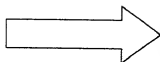
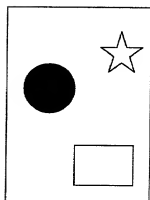
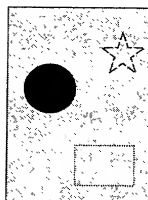


FIG.11B PRIOR ART



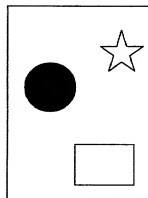
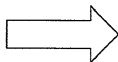
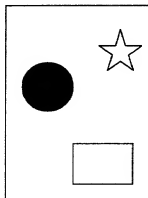
EMBEDDING TOO MUCH
NOISE MAKES ...

EMBEDDING TOO
LITTLE NOISE MAKES ...

FIG.12A **FIG.12B**

PRIOR ART

PRIOR ART



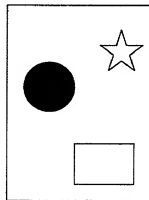
WE CAN GET WATERMARK
INFORMATION

LOSSY COMPRESSING
OR REDUCING NOISE ...



FIG.12C

PRIOR ART



WE CANNOT GET
WATERMARK INFORMATION